



PTO/SB/08A (08-03)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	10/687,909	
			Filing Date	October 17, 2003	
			First Named Inventor	Schneider, Luke V.	
			Art Unit	1654	
Sheet	1	of	5	Examiner Name	LEARY
				Attorney Docket Number	020444-000410US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
LL	A1	US-4,647,445	03-03-1987	Lees	424/1.1
	A2	US-4,656,133	04-07-1987	Goux	435/72
	A3	US-4,690,749	09-01-1987	Van Alstine, et al.	204/299.00R
	A4	US-4,830,010	05-16-1989	Marshall	128/630
	A5	US-4,842,701	06-27-1989	Smith, et al.	204/180.1
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	A11	US-5,015,350	05-14-1991	Wiktorowicz	123/196.00R
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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet	2	of	5	Attorney Docket Number	020444-000410US
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Examiner Name	LEARY

U.S. PATENT DOCUMENTS+

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		Number	Kind Code ² (if known)			
CC	A41	US-5,505,832		04-09-1996	Laukien, et al.	204/180.1
	A42	US-5,542,419		08-06-1996	Moulton-Barrett et al.	128/630
	A43	US-5,559,432		02-04-1997	Manz et al.	324/207.170
	A44	US-5,611,903		03-18-1997	Janssens, et al.	204/454
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Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
CC	B1	PCT	WO 95/33989	A1	12-14-1995	Perkin-Elmer Corp.		<input type="checkbox"/>
CC	B2	PCT	WO 00/11208	A1	03-02-2000	University of Washington		<input type="checkbox"/>

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SignatureDate
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NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
LL	C1	BAI, JIAN et al. "Peptide Mapping by CNBr Degradation on a Nitrocellulose Membrane with Analysis by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry", <u>Analytical Chemistry</u> , May 15, 1995, Vol. 67, No. 10, pp. 1705-1710.		
	C2	BOCHNER, et al., "Complete Analysis of Cellular Nucleotides by Two-dimensional Thin Layer Chromatography," <u>J. Bio. Chem.</u> 257(16):9759-9769 (1982)		
	C3	CHEN, XIAOHUI et al. "Isotope Edited Product Ion Assignment by α -N Labelling of Peptides with [² H ₃ (50%)2,4-Dinitrofluorobenzene]", <u>J. Am. Soc. Mass Spectrum</u> , (1999), Vol. 10, pp. 448-542.		
	C4	ECKERSKORN, C. et al. "Analysis of Proteins by Direct-Scanning Infrared-MALDI Mass Spectrometry after 2D-PAGE Separation and Electrophotting", <u>Anal. Chem.</u> , (1997), Vol. 69, pp. 2888-2892.		
	C5	GAUSING, K. "Ribosomal Protein in <i>E. coli</i> : Rate of Synthesis and Pool Size at Different Growth Rates," <u>Mol. Gen. Genetics</u> , 129:61-75 (1974)		
	C6	GOODLETT, D.R. et al. "The Use of Mass Spectrometry in Proteomics"; <u>International Business Communications</u> , Pre-conference Symposium Slides, Wednesday, December 1, 1999, pp. 1-11.		
	C7	GYGI, STEVEN P. et al. "Quantitative Analysis of Complex Protein Mixtures Using Isotope-coded Affinity Tags", <u>Nature Biotechnology</u> , October 1999, Vol. 17, pp. 994-999.		
	C8	GYGI, STEVEN P. "Functional Proteomics – Advances in the Development of Drug Leads and Diagnostic Applications Using Integrated Protein-Based Technologies - Slides", <u>International Business Communications</u> , 4th International Conference Slides, December 1-3, 1999, pp. 1-11.		
	C9	HÅKANSSON, KRISTINA, et al; Electron Capture Dissociation and Infrared Multiphoton Dissociation MS/MS of an N-Glycosylated Tryptic Peptide to Yield Complementary Sequence Information; <u>Analytical Chemistry</u> ; September 15, 2001; pp. 4530-4536; Volume 73, No. 18		
	C10	HENRY, KENT D., et al.; Electrospray Ionization with Fourier-Transform Mass Spectrometry. Charge State Assignment from Resolved Isotopic Peaks; <u>Organic Mass Spectrometry</u> , 1990; pp. 490-492; Volume 25		
	C11	HENZEL, W.J. et al. "Identifying Proteins from Two-dimensional Gels by Molecular Mass Searching of Peptide Fragments in Protein Sequence Databases", <u>Proc. Natl. Acad. Sci. USA</u> , June 1993, Vol. 90, pp. 5011-5015.		
	C12	HOCHSTRASSER, et al. "Methods for Increasing the Resolution of Two-Dimensional Protein Electrophoresis," <u>Anal. Biochem.</u> , 173:424-435 (1988)		
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LL	C15	JENSEN, P.K. et al.; "Probing Proteomes Using Capillary Isoelectric Focusing-Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry", <u>Anal. Chem.</u> , June 1, 1999, Vol. 71, No. 11, pp. 2076-2084.		
	C16	KILAR, FERENC: <u>Isoelectric Focusing in Capillaries (Chapter 4), CRC Handbook of Capillary Electrophoresis: A Practical Approach</u> , (1994), pp. 95-109.		
	C17	KRIWACKI RICHARD W., et al; Probing Protein/Protein Interactions with Mass Spectrometry and Isotopic Labeling: Analysis of the p21/Cdk2 Complex; <u>Journal of the American Chemical Society</u> , 1996; pp. 5320-5321; Volume 118		
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	C19	MANN, et al. "Error-Tolerant Identification of Peptides in Sequence Databases by Peptide Sequence Tags" <u>Analytical Chemistry</u> (December 15, 1994) Vol. 66(24), pgs. 4390-4399.		
	C20	MARSHALL, ALAN G., et al; Protein Molecular Mass to 1 Da by ¹³ C, ¹⁵ N Double-Depletion and FT-ICR Mass Spectrometry; <u>Journal of the American Chemical Society</u> ; 1997; pp. 433-434; Volume 119		
	C21	MCCORMICK, RANDY M., <u>Capillary Zone Electrophoresis of Peptides (Chapter 12), CRC Handbook of Capillary Electrophoresis: A Practical Approach</u> , (1994), pp. 287-323.		
	C22	MIRGORODSKAYA, E., et al; Localization of O-Glycosylation Sites in Peptides by Electron Capture Dissociation in a Fourier Transform Mass Spectrometer; <u>Analytical Chemistry</u> ; October 15, 1999; pp. 4431-4436; Volume 71, No. 20		
	C23	MURPHY, CONSTANCE M. & FENSELAU, CATHERINE; <u>Recognition of the Carboxy-Terminal Peptide in Cyanogen Bromide Digests of Proteins</u> , <u>Anal. Chem.</u> , (1995), Vol. 67, pp. 1644-1645.		
	C24	NATH et al., "Protein Degradation in <i>Escherichia coli</i> ," <u>J. Biol. Chem.</u> , 246(22):6956-6967 (1971)		
	C25	O'FARREL, P.H., "High Resolution Two-Dimensional Electrophoresis of Proteins," <u>J. Biol. Chem.</u> , 250(10):4007-4021 (1975)		
	C26	PALMIERI, RICHARD & NOLAN, JUDITH A. <u>Protein Capillary Electrophoresis: Theoretical and Experimental Considerations for Methods Development (Chapter 13), Handbook of Capillary Electrophoresis</u> , (1994), pp. 325-368.		
	C27	PATTERSON, SCOTT D. & AEBERSOLD, RUEDI; <u>Mass Spectrometric Approaches for the Identification of Gel-separated Proteins, Electrophoresis</u> , (1995), Vol. 16, pp. 1791-1814.		
LL	C28	SCHNEIDER, LUKE V.; Presentation Slides from Cambridge Healthtech Institute's Second Annual Genomic Partnering Emerging and Early-Stage Companies, February 27-28, 1999, pp. 1-7.		
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	C31	SMITH, R.D. et al. <i>Capillary Electrophoresis-Mass Spectrometry (Chapter 8), CRC Handbook of Capillary Electrophoresis: A Practical Approach</i> , (1994), pp. 185-206.		
	C32	ST. JOHN, et al. "Effects of Starvation for Potassium and Other Inorganic Ions on Protein Degradation and Ribonucleic Acid Synthesis in <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> , 143(3):1223-1233 (1980)		
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	C35	VEENSTRA, TIMOTHY D., et al; Proteome Analysis Using Selective Incorporation of Isotopically Labeled Amino Acids; <i>Journal of the American Society for Mass Spectrometry</i> , 2000; pp. 78-82;		
	C36	WAGNER, D.S. et al. "Derivatization of Peptides to Enhance Ionization Efficiency and Control Fragmentation During Analysis by Fast Atom Bombardment Tandem Mass Spectrometry", <i>Biological Mass Spectrometry</i> , (1991), Vol. 20, pp. 419-425.		
	C37	WANDERS, B.J. and EVERAERTS, F.M. <i>Isotachopheresis in Capillary Electrophoresis (Chapter 5), CRC Handbook of Capillary Electrophoresis: A Practical Approach</i> , (1994), pp. 111-127.		
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LL	C41	ZAIA, JOSEPH, <i>Charged Derivatives for Peptide Sequencing Using a Magnetic Sector Instrument, Methods in Molecular Biology</i> , Vol. 61, pp. 28-40.		

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